8

CLAIMS

1.   A method for call case controlled block error rate (BLER) or bit error rate (BER) target setting for a radio link in a Code Division Multiple Access (CDMA) Mobile to Mobile (MTM) and Mobile to Public Switched Telephone Network (MTPSTN) communication system, **characterised by** the step of:

defining a desired total BLER/BER target value;

detecting if a call is MTM or MTPSTN; and

in case of a MTM call controlling the BLER/BER on a second link to give a total BLER/BER according to the total BLER/BER target.

2.   The method according to claim 1, **characterised by** the further step of:

detecting if a call is MTM or MTPSTN by inspecting frame types to be sent on the second link.

3   The method according to claim 1, **characterised by** the further step of:

controlling BLER/BER of a first link and a second link and separately setting a first BLER/BER target for the first link and a second BLER/BER target the second link such that a sum of the first and second BLER/BER targets will be equal to the total BLER/BER target.

4.   The method according to claim 3, **characterised by** the further step of:

setting the first BLER/BER target for the first link to 50 % of the total BLER/BER target.

5.   The method according to claim 3, **characterised by** the further step of:

setting the second BLER/BER target to a difference between the total BLER/BER target and an estimated BLER/BER in blocks to be sent on the second link.

6. A method for case controlled block error rate (BLER) or bit error rate (BER) target setting for a radio link in a Code Division Multiple Access (CDMA) Mobile to Public Switched Telephone Network (MTPSTN) communication system, **characterised by** the step of:

defining a desired total BLER/BER target value;

estimating BLER/BER of blocks to be sent on a downlink; and

controlling BLER/BER on a second link to give a total BLER/BER equal to the desired total BLER/BER target.

7. The method according to claim 6, **characterised by** the further step of:

controlling BLER/BER of the second link separately using a difference between the desired total BLER/BER and an estimated BLER/BER in the blocks to be sent on the downlink as the BLER/BER target for the second link.

8. A system for case controlled block error rate (BLER) or bit error rate (BER) target setting in Mobile to Mobile (MTM) and Mobile to Public Switched Telephone Network (MTPSTN) communication using Code Division Multiple Access (CDMA), **characterised in**

that a desired overall BLER/BER target value is defined for the system;

a detection of a call being MTM or MTPSTN; and in case of a MTM call controlling the BLER/BER on a second link to give a total BLER/BER according to the total BLER/BER target.

9. The system according to claim 8, **characterised in** that

a MTM or MTPSTN call is detected by an inspection of frame types to be sent on the second link.

10

10.   The system according to claim 8, **characterised in** that BLER/BER of a first link and the second link is controlled and that a first BLER/BER target and a second BLER/BER target are separately set such that a sum of the first and second BLER/BER targets will be equal to the total BLER/BER target.

11.   The system according to claim 10, **characterised in** that BLER/BER for the first link is set to 50 % of the total BLER/BER target.

12.   The system according to claim 10, **characterised in** that the second BLER/BER target is set to a difference between the total . BLER/BER target and an estimated BLER/BER in data to be sent on the second link.

13.   A system for call case controlled block/bit error rate (BLER/BER) target setting in Mobile to Public Switched Telephone Network (MTPSTN) using Code Division Multiple Access (CDMA), **characterised in** that a desired overall BLER/BER target value is defined for the communication;
        BLER/BER of blocks or bits to be sent on a second link is estimated; and
        BLER/BER on the second link is controlled to give a total BLER/BER equal to the desired total BLER/BER target.

14.   The system according to claim 13, **characterised in** that BLER of the second link is controlled separately by using a difference between the desired total BLER/BER and an estimated BLER/BER in data to be sent on the second link as the BLER/BER target for the downlink.